

## TECHNICAL SPECIFICATION

Product Type	Biometric Three in One Access Smart Card
Security	Tokenized data transmission when using the available backend authentication system
MCU	32-bit Arm Cortex-M4F 1MB Flash 384KB SRAM BLE 5
RFID transponder	DESFIRE Other transponders optional
Fingerprint Sensor	Fingerprints FPC1323
False Rejection Rate (FRR)	< 1.4%,
False Acceptance Rate (FAR)	< 0.0019%
Number of Fingerprints	Up to 10 stored in card Microcontroller (MCU)
Fingerprint Enrolment Method	Standalone or via PC application
Display	Not installed
Battery	> 500 recharging cycles
Visible Indicators	Red and yellow LEDs
Activation	Metal dome tactile switch Fingerprint sensor and metal dome switch can act as a selection button
Supported Communication Protocol	ISO 14443 (13.56MHz), BLE 5
Graphic options	Customizable graphics
Reader Compatibility	All 13.56MHz Pulse and Constant field readers
Operating Temperature	+5 to +40C
Lifetime	5 years typical
Size	ISO/IEC 7810 ID-1 (85.60x53.98x0.8mm)

### CARDLAB INNOVATION APS

HOERKAER 20, 2  
DK-2730 HERLEV  
DENMARK

EMAIL: [INFO@CARDLAB.COM](mailto:INFO@CARDLAB.COM)  
PHONE: +45 31 55 49 94



[www.cardlab.com](http://www.cardlab.com)